

OEA-5261-63

4 October 1963

Dear Joe:

As a result of the 26 September meeting on personal and life support equipment, actions to be taken by several contractors were defined. The problems, discussion, and action as related to the David Clark Co. are as follows:

Problem: Visor Reflectance with full pressure suit helmet.

25X1A

Action: D. Clark recently received a new laminated visor which will be evaluated ASAP. [ ] will pursue his idea of a louvered piece of metal which will block out the sun and still permit necessary vision.

Problem: Neck Seal vs. Face Seal in full pressure suit helmet.

Discussion: Two IAC pilots and two of our pilots have suits with the neck seal. Flights will continue with these garments to gather additional information regarding oxygen consumption and comfort.

25X1A

Problem: In-flight Feeding

25X1A

Action: Capt. [ ] will contact [ ] to investigate the device being used in project APOLLO. D. Clark Co. has a device in process.

Problem: Urinal for full-pressure suit.

25X1A  
25X1A

Action: Capt. [ ] will work with Mr. [ ] at Wright-Patterson for a solution.

Problem: Metal palm bar in pressure suit glove.

Discussion: Two pilots would like to have the bar removed or modified. The bar should not be removed because of the resultant bulging in case of cockpit depressurization.

Action: D. Clark Co. will modify the bar for the two pilots desiring it.

Problem: Inadvertent actuation of flotation gear.

Action: A flap will be provided by area technicians as an interim fix. D. Clark will work on modification of the actuation device.

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Problem: Helmet visor heat electrical connections.

Action: D. Clark improving connections.

Problem: Sticking of helmet visor at time of release.

Action: If the visor knob is not held down until the visor is pushed all the way up the seal will inflate and cause sticking. Pilots will be reminded of this. If problem exists when using proper procedure Headquarters should be notified.

Problem: Pressure suit glove seams.

Action: D. Clark Co. to relocate seams to provide better tactual discrimination.

Problem: Pressure Suit Helmet Weight.

Action: D. Clark Co. is making every effort to reduce this weight. An example is the replacing of the outer sun shade with a more light-weight internal shade. New ear cups are also being provided.

Problem: Tie down cable.

Action: New locking bars being provided by D. Clark.

A meeting of headquarters representatives will be held early next week regarding the present parachute and the integrated harness. I will keep you informed on the decisions reached.

Regards,

Harry C.